

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-17 (Canceled)

Claim 18 (New). A machine readable information storage medium embodied as a recordable optical disc for access by an optical disc drive, wherein a track is formed on the medium, said track being configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus including the optical disc drive, said data including VOB data representing video object data or still picture video object data, and control information, the information storage medium comprising:

a data area storing a plurality of ECC blocks including the VOB data, said VOB data being configured to have at least one of video object units wherein a predetermined number of sectors form each of the ECC blocks, each of the sectors has a predetermined size, and the predetermined number of said sectors relates to an ECC block address, and

a control information recording area storing the control information, the control information being configured to control or manage the VOB data and including movie file information table M_AVFIT having a first area configured to store movie VOB stream information M_VOB_STI and a second area configured to store movie AV file information M_AVFI describing information on said data area for the VOB data, said M_AVFI including a movie VOB information search pointer M_VOBI_SRP associated with movie VOB information M_VOBI, wherein

said M_VOBI includes time map information TMAPI including time map general information TMAP_GI, one or more time entries TM_ENTs, and one or more video object unit entries VOBU_ENTs,

each said VOBU_ENT includes playback time information VOBU_PB_TM of a corresponding video object unit VOBU of the video object units and size information VOBU_SZ of the corresponding VOBU,

each said TM_ENT includes numeral information VOBU_ENTN on a corresponding video object unit entry VOBU_ENT of the video object unit entries,

said control information includes a still picture AV file information table S_AVFIT describing information on a still picture AV file, a text data manager TXTDT_MG for managing text data, and a manufacturer's information table MNFIT relating to manufacturer's information,

said control information further includes original program chain information ORG_PGCI representing an original program chain ORG_PGC and a user defined program chain information table UD_PGCIT containing user defined program chain information UD_PGCI representing a user defined program chain UD_PGC, said ORG_PGCI or said UD_PGCI representing a presentation sequence of cells,

said control information describes the movie AV file information table M_AVFIT, the still picture AV file information table S_AVFIT, the original program chain information ORG_PGCI, the user defined program chain information table UD_PGCIT, the text data manager TXTDT_MG, and the manufacturer's information table MNFIT in this order, and

said VOBU_ENT includes information of playback time of the VOBU, the playback time being presented in units of video fields of the VOBU.

Claim 19 (New). A recording method for recording information on an information storage medium on which a track is formed, said track being configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus,

said data including VOB data representing video object data or still picture video object data, and control information, the information storage medium comprising:

a data area storing a plurality of ECC blocks including the VOB data, said VOB data being configured to have at least one of video object units wherein a predetermined number of sectors form each of the ECC blocks, each of the sectors has a predetermined size, and the predetermined number of said sectors relates to an ECC block address, and

a control information recording area storing the control information, the control information being configured to control or manage the VOB data and including movie file information table M_AVFIT having a first area configured to store movie VOB stream information M_VOB_STI and a second area configured to store movie AV file information M_AVFI describing information on said data area for the VOB data, said M_AVFI including a movie VOB information search pointer M_VOBI_SRP associated with movie VOB information M_VOBI, wherein

said M_VOBI includes time map information TMAPI including time map general information TMAP_GI, one or more time entries TM_ENTs, and one or more video object unit entries VOBU_ENTs,

each said VOBU_ENT includes playback time information VOBU_PB_TM of a corresponding video object unit VOBU of the video object units and size information VOBU_SZ of the corresponding VOBU,

each said TM_ENT includes numeral information VOBU_ENTN on a corresponding video object unit entry VOBU_ENT of the video object unit entries,

said control information includes a still picture AV file information table S_AVFIT describing information on a still picture AV file, a text data manager TXTDT_MG for managing text data, and a manufacturer's information table MNFIT relating to manufacturer's information,

said control information further includes original program chain information
ORG_PGCI representing an original program chain ORG_PGC and a user defined program
chain information table UD_PGCIT containing user defined program chain information
UD_PGCI representing a user defined program chain UD_PGC, said ORG_PGCI or said
UD_PGCI representing a presentation sequence of cells,

said control information describes the movie AV file information table M_AVFIT, the
still picture AV file information table S_AVFIT, the original program chain information
ORG_PGCI, the user defined program chain information table UD_PGCIT, the text data
manager TXTDT_MG, and the manufacturer's information table MNFIT in this order, and

said VOBU_ENT includes information of playback time of the VOBU, the playback
time being presented in units of video fields of the VOBU,

said method comprising:

generating the VOB data,

recording the generated VOB data in said data area,

generating the control information, and

recording the generated control information in said control information recording
area.

Claim 20 (New). A reproducing method for reproducing information from an
information storage medium on which a track is formed, said track being configured to have
data recorded thereon and data reproduced therefrom by an information
recording/reproducing apparatus, said data including VOB data representing video object
data or still picture video object data, and control information, the information storage
medium comprising

a data area storing a plurality of ECC blocks including the VOB data, said VOB data being configured to have at least one of video object units wherein a predetermined number of sectors form each of the ECC blocks, each of the sectors has a predetermined size, and the predetermined number of said sectors relates to an ECC block address, and

a control information recording area storing the control information, the control information being configured to control or manage the VOB data and including movie file information table M_AVFIT having a first area configured to store movie VOB stream information M_VOB_STI and a second area configured to store movie AV file information M_AVFI describing information on said data area for the VOB data, said M_AVFI including a movie VOB information search pointer M_VOBI_SRP associated with movie VOB information M_VOBI, wherein

said M_VOBI includes time map information TMAPI including time map general information TMAP_GI, one or more time entries TM_ENTs, and one or more video object unit entries VOBU_ENTs,

each said VOBU_ENT includes playback time information VOBU_PB_TM of a corresponding video object unit VOBU of the video object units and size information VOBU_SZ of the corresponding VOBU,

each said TM_ENT includes numeral information VOBU_ENTN on a corresponding video object unit entry VOBU_ENT of the video object unit entries,

said control information includes a still picture AV file information table S_AVFIT describing information on a still picture AV file, a text data manager TXTDT_MG for managing text data, and a manufacturer's information table MNFIT relating to manufacturer's information,

said control information further includes original program chain information ORG_PGCI representing an original program chain ORG_PGC and a user defined program

chain information table UD_PGCIT containing user defined program chain information
UD_PGCI representing a user defined program chain UD_PGC, said ORG_PGCI or said
UD_PGCI representing a presentation sequence of cells,

said control information describes the movie AV file information table M_AVFIT, the
still picture AV file information table S_AVFIT, the original program chain information
ORG_PGCI, the user defined program chain information table UD_PGCIT, the text data
manager TXTDT_MG, and the manufacturer's information table MNFIT in this order, and

said VOBU_ENT includes information of playback time of the VOBU, the playback
time being presented in units of video fields of the VOBU,

said method comprising:

reproducing the control information from said control information recording area, and
reproducing the VOB data from said data area based on the reproduced control
information.

Claim 21 (New). A reproducing apparatus for reproducing information from an
information storage medium on which a track is formed, said track being configured to have
data recorded thereon and data reproduced therefrom by an information
recording/reproducing apparatus, said data including VOB data representing video object
data or still picture video object data, and control information, the information storage
medium comprising

a data area storing a plurality of ECC blocks including the VOB data, said VOB data
being configured to have at least one of video object units wherein a predetermined number
of sectors form each of the ECC blocks, each of the sectors has a predetermined size, and the
predetermined number of said sectors relates to an ECC block address, and

a control information recording area storing the control information, the control information being configured to control or manage the VOB data and including movie file information table M_AVFIT having a first area configured to store movie VOB stream information M_VOB_STI and a second area configured to store movie AV file information M_AVFI describing information on said data area for the VOB data, said M_AVFI including a movie VOB information search pointer M_VOBI_SRP associated with movie VOB information M_VOBI, wherein

said M_VOBI includes time map information TMAPI including time map general information TMAP_GI, one or more time entries TM_ENTs, and one or more video object unit entries VOBU_ENTs,

each said VOBU_ENT includes playback time information VOBU_PB_TM of a corresponding video object unit VOBU of the video object units and size information VOBU_SZ of the corresponding VOBU,

each said TM_ENT includes numeral information VOBU_ENTN on a corresponding video object unit entry VOBU_ENT of the video object unit entries,

said control information includes a still picture AV file information table S_AVFIT describing information on a still picture AV file, a text data manager TXTDT_MG for managing text data, and a manufacturer's information table MNFIT relating to manufacturer's information,

said control information further includes original program chain information ORG_PGCI representing an original program chain ORG_PGC and a user defined program chain information table UD_PGCIT containing user defined program chain information UD_PGCI representing a user defined program chain UD_PGC, said ORG_PGCI or said UD_PGCI representing a presentation sequence of cells,

said control information describes the movie AV file information table M_AVFIT, the still picture AV file information table S_AVFIT, the original program chain information ORG_PGCI, the user defined program chain information table UD_PGCIT, the text data manager TXTDT_MG, and the manufacturer's information table MNFIT in this order,

said VOBU_ENT includes information of playback time of the VOBU, the playback time being presented in units of video fields of the VOBU,

said apparatus comprising:

a first reproduce configured to reproduce the control information from said control information recording area, and

a first reproduce configured to reproduce the VOB data from said data area based on the reproduced control information.